

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Jens WILDHAGEN

U.S. Serial No.: Filed Concurrently Herewith

Title of Invention: A DIGITAL FILTER FOR IQ-GENERATION, NOISE SHAPING AND NEIGHBOUR CHANNEL SUPPRESSION

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to the Honorable Commissioner of Patents and Trademarks, Washington, DC 20231.

*Edward Nay*

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*Edward Nay*

(Signature of person mailing paper or fee)

**PRELIMINARY AMENDMENT**

Assistant Commissioner for Patents  
Box Patent Application (35 U.S.C. 111)  
Washington, D.C. 20231

Sir:

Before the issuance of the first Office Action, please amend the above-identified application as follows:

**IN THE CLAIMS:**

Please amend claims 3, 5, 7 and 10 as follows:

3. (Amended) Filter according to claim 1, **characterized by:**
- a first delay element (1) with a delay N that receives the input signal (t(k));